



THE BLURB

A.R.E.A. Member

PHILMONT MOBILE RADIO CLUB INC.

november
1962

PHILMONT
DINNER-*Dance*

Saturday Nov. 10

1962

LLANERCH *Country Club*

6:30 P.M.



EDITOR

R. G. Schmilewske, K3KUD

528 Melody Lane

Glenside, PA.

Tel. TU 4-1884

STAFF

Publisher

W3LEM - W3PST

Cartoonist

3Q0167 - W3YHV

Contributing Editors

W3UMK - W3ZPP

K3GNJ - K3GNM

New Members Chairman

- W3D\$G

CIRCULATION AND PRINTING

Superintendent

- K3GNJ

Boss Stitcher

- W3VVS

Collator

- W3QQH

The "Blurb" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general and mobile Radio in particular. We endeavor to keep the news accurate, interesting and in a small way educational. Copying and quoting is permitted, provided credit lines are included. Commercial use is not permitted and subscriptions are gladly exchanged with other radio clubs.

DEADLINES

The "Blurb" is mailed on the last monday of the month. All material for the "Blurb" must be received by the Editor, K3KUD before the 15th of the month.

1962 CLUB OFFICERS

Pres. Lloyd Sherman W3CDY

V. Pres. Chas. Greenwood W3GOW

Treas. Bob Diefenderfer K3DJE

Sec. Enos Bartol K3GNJ

Bd. of Dir.: W3's, NIP, VVS, QQH,
AWH, AK, DSG, WNC
and all 1962 Club Officers

NET AND NET FREQUENCIES

Ch 1 - 29493 Kcs. Ch 3 - 147.78 Mcs.

Ch 2 - 29629 Kcs. Ch 4 - 50.7 Mcs.

Orange Juice Net 0700 - 0730

Scrambled Egg Net 0730 - 0830

Weekdays

Ten on Ten Sundays 1000 - 1100

Blarney sessions anytime Ch 1 or Ch 2

29493 0930 - 2400

Monitored daily for the benefit of
mobiles in the Philadelphia area.

PMRC CALENDAR

MEETINGS

Regular Meetings: First monday
of each month.

Time: 2000 hours (8:00 p.m.)

Place: FRANKLIN INSTITUTE

20 & Benj. Franklin Parkway

MID MONTH SCHEDULE

June W3DJW

July W3QQH

August W3NIP

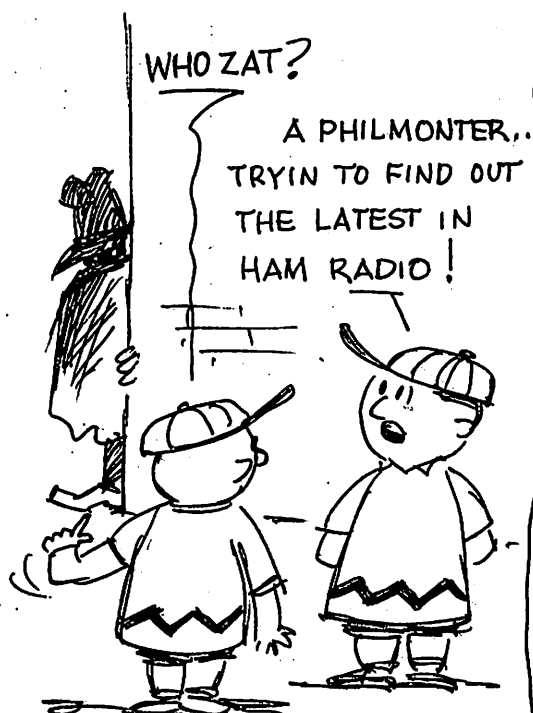
September W3VVS

October W3CDY

November W3ADF

December K3DJE

Santa CORNER



THE PRES SEZ:-

This is the month that means so much to Phil-Mont. Some will agree and others will ask, Why?

Every month is important to us, but November is the month for our annual event for the ladies. This is the night when we want to reassure the ladies that we are a regular guy. Maybe a ham, but at heart, the same fellow the YL married or would make a good hubby.

It is the night when we get together with smiling faces as we present our best girl in her finery.

The joys of our annual affair grow yearly. Increased numbers look forward more eagerly for the day. The fun of it all is more rewarding for all who participate. Yes, we owe so much to the ladies for their part, YL or XYL, in our life -- as an Amateur.

What month could be more appropriate but November, with the day of Thanksgiving, in which to hold our Dinner Dance at the Llanerch Country Club. Come, help us show the ladies a bang-up time!

C U at the Dinner Dance!

Oh say -- are you a Phil-Monter?

de W3CDY

IT SEEMS TO ME:-

In a club the size of ours, there are always a great many ideas and opinions on any given subject. Since many times fine ideas are lost because the owner, for one reason or another, does not express himself at the proper time or to the proper people, the Blurb is going to try an experiment. We will publish, starting next month, "Letters to the Editor". We will continue to publish these letter as long as there is enough interest to keep them coming. The rules will be simple: all letters must be signed with name or call. This information will not be printed if the writer so requests. Keep them brief to permit the use of as many as possible. Letters on any subject pertinent to Phil-Mont are acceptable. Send them to the Editor via the mails.

Now is the time to say what you have to say fellows. Let's have 'em.

de K3KUD

CLUB ACTIVITIES:

The Phil-Mont auction, held on October 1 at the Franklin Institute was one of the most successful in the Club's history. Evidence of this was seen in the smiling faces of the buyers, the sellers and the club treasurer. A great deal of credit is due W3JYA, Program Chairman and his committee, and to W3WNC our Chief Auctioneer. He didn't have to work quite so hard this year, but it is still a pleasure to watch him at work. A vote of thanks also to K3DJE, W#GOW and K3GNJ who handled the financial and bookkeeping part of the 103 transactions and did it very smoothly.

* * * * *

The Annual Ten-on-Ten Roundup, held Sunday, September 30, saw 148 stations checking in with W3RQZ/3 manned by W3YJM. In addition to Phil-Mont members, representatives of North Penn, Delmont and South Jersey Radio Clubs were heard. We had fixed stations, mobiles, portables, walkie-talkies and even a phone patch from the hospital to permit W3EQV to check in. QSLs will be sent out as announced, but please be patient, there is a lot of work involved in that part of the operation.

* * * * *

The Phil-Mont Dinner Dance will be held on November 10 at the Llanerch Country Club. Tickets are available at \$6.00 per person, from W3FOG, Austin Gutman, and W3WPD, Al Lewis. Come one, come all and have a real fine time.

* * * * *

The November meeting will feature the nomination of officers to serve for the next year. Nominations from the floor will be permitted in addition to the nominations made by the committee. Election of officers will be held at the regular December meeting.

* * * * *

At the September Mid-Month meeting, it was decided that next year's winning Field Day team will be treated to dinner by the club rather than by the losing teams as in the past. In addition, the high point scoring individual will also be treated to dinner by the club.

* * * * *

ARE YOU A PHILMONTER?

FOND FAREWELL DEPARTMENT

Mel (Jonesy) Jones, W3DHJ, is retiring from the service and relocating his QTH to Grand Junction, Colorado. A well known and respected member of Phil-Mont as well as other clubs in the area. Jonesy will be missed by all who know him. Good luck Jonesy -- enjoy your retirement and say hello when the skip is in.

* * * * *

KASS ELECTRONICS OPEN HOUSE:

Kass Electronics Distributors, West Chester Pike and Darby Rd., Havertown held an open house on October 16th to launch their new Amateur Radio Department. In full charge of this department is none other than that very genial man-about-town, known far and wide as "Radio Ralph" i. e. Ralph Garrick, W3FLP. Ralph reports that well over 300 people attended and some even bought something! Phil-Mont was there in force with 28 members attending. There were 21 door prizes given away and Phil-Mont walked away with 5 of them. Too bad Ed Moore's (W3EQV) two sons weren't club members or it would have been seven! This reporter not only won a prize, but pulled his own ticket and it wasn't rigged--honest injun. To compound the felony, the prize I won was a Charley Brown mobile wip yet. Radio Ralph, with alligator tears rolling down his cheeks, pushed the knife further in by giving yours truly a handbook on Charley Brown antennas, the cad! I wonder if this is a sledge hammer hint for me to leave and begone the Phil-Mont frequency--hmmm-I wonder. I don't scare that easily, Herman.

W3DJW and his Cadillac rolling antenna farm was there along with the rest of the "Untouchables", K3CEE, K3HWX and W3WMO. K3HWX was seen pussy-footing around snapping pictures of unsuspecting people with his Japanese type Brownie. Jon, I don't think there was any fillum in that there box.

The piece of new equipment that caught my eye as well as many others was a SSB transmitter (have I gone soft in the head?) made by Tri-State, located in Washington, D. C. It is beautifully made and is rated 500 watts, PEP for only 695 clams. It has everything even a blower fan in the final amplifier. Maybe this rig will make Collings, B&W and the rest of these companies that sell over-priced equipment sit up and take notice and realize that not everyone is as rich as Rockefeller.

All in all we had a ball, and Ralph has announced that this will be an annual affair, to be held the first Saturday of each October. New equipment will be on display and if possible, the manufacturer's represented will be there to answer any questions. No free samples, Hi.

Listed below are the members who showed up and the prizes they won:

AJO	CEE	HQJ	OEC	SZJ
APD	DJW (Log Book)	HWX	OWK	DMK
AWC	D\$G (Mobile Ant)	JYA	PAE	WNC
BGR	EQV (Vert. Ant.)	KDP	PWG (Log Book)	
BSG	FLP	LNQ	QOH	WDX
CHZ (Mike)	GNJ	NYN	RKH	

73 de W3D\$G

W3QQH announces for the Banquet Committee that there will be listed in the December Blurb the names of those distributors and manufacturers who have contributed to the prize awards for the Dinner Dance. Jim also states that he will list those who were approached, but DID NOT contribute.

TID-BITS

Radio Station WTVM and Station WRBC-TV of Columbus Georgia have just completed a new antenna tower 1749 feet high--the tallest manmade structure in the world. The turnstile antenna array on top of the tower weighs 11 tons.

* * * * *

In the Flint, Michigan area, 29.480 mc (W8VXN) is monitored daily by the Flint Mobile Radio Club.

* * * * *

Price List #82 available from the Superintendent of Documents, Washington 25, D.C. on request, lists available government publications covering the fields of Radio and Electricity (Electronics, Radar and Communications).

* * * * *

Thanks to Delmont Radio Club's "RagChew" and W3FOX, the editor, for the complimentary remarks about the Elurb.

* * * * *

The Editor, K3KUD, has in his possession several applications forms for the Navy MARS. Interested parties are welcome to them until the meager supply is exhausted.

* * * * *

Last month we noted that there were 103 U.S. Navy ships operating Amateur Maritime Mobile Stations. This number has now been increased to 120 ships and 137 calls. The Navy in an all out effort to support the amateur radio program is offering a certificate for QSOs with 5 or more ships. We will pass along information on this as soon as the details are available.

(AREA Newsletter)

* * * * *

NEW PRODUCTS:

Miniature capacitor, type 608. Available in tolerances to 1%. Values range from .001 mfd to .047 mfd. The .001 at 100 volts is .081" diameter and 3/8" long. The .047 is .252" x 3/8". Dielectric material is .00025" thick Myler. For further information contact Good-All Electric Mfg. Co., Ogallala, Nebraska.

* * * * *

Rectifiers-1N3491 Series. Average DC current capacity is 18 amps; PIV ranges from 50 volts to 400 volts. Maximum diameter .630" Further information from Delco Radio Division, General Motors Corp, Kokomo, Indiana.

ARE YOU A PHILMONTER?

SPACE COMMUNICATIONS :-

(Each month, starting with this issue, the Blurb will feature articles on space communication. This will be an added feature aimed at making the Blurb more interesting to more people. Contributions are welcomed.)

* * * * *

The master clock of the U.S. Naval Observatory at Washington, D.C. was synchronized with the master clock of the British Royal Greenwich Observatory to within 10 microseconds. This is roughly 100 times the accuracy heretofore possible. The synchronization was accomplished via the Telstar satellite.

* * * * *

Oscar III satellite, scheduled for launching into a 300 mile orbit early in 1963 will carry a frequency translation type repeater to receive signals at 144 mc and transmit at 145.95 mc.

* * * * *

When Mariner II (Venus probe) passes within 20,000 miles of Venus in December, its speed will be about 90,000 mph. The surface of Venus will be scanned by water vapor instruments on 13.5 and 19 mm wave lengths and by temperature instruments at 8-9 and 10-10.8 micron wave lengths.

* * * * *

Collins Radio Company will test Echo II satellite, scheduled for October, 1962 launching, by transmitting data from Cedar Rapids, Iowa to Dallas, Texas, via the satellite.

* * * * *

The National Bureau of Standards Central Radio Propagation Laboratory will conduct studies of techniques for sounding the ionosphere of Mars and Venus from planetary flyby probes under separate year contracts from NASA. The Airborne Instruments Laboratory will develop breadboard techniques for a high frequency transmitter and receiver system suitable for probing atmospheres at a maximum of 40,000KM. Three frequencies between 1 and 6 mcs will pickup and calculate range and rate.

* * * * *

Go into orbit with PhilMont! Come to the Dinner Dance on November 10 at Llanerch Country Club. All phases are in GO condition and you're sure to have fun. Contact W3FOG for tickets. Visitors are welcome!

* * * * *

The USSR plans to put several communication satellites into orbit. The "Cosmovision" center will beam television programs to the satellites from 11:00 A.M. to 3:00 P.M. and 11:00 P.M. to 3:00 A.M. No firm launching date is set at this time.

NEW MEMBER APPLICATIONS:

K3AWC	Eldridge P. Miller 26 Rose Lane Lansdowne, Pa. H-MA6-2850 B-SA4-1500 Ext. 8447 Employed by General Electric Co., Phila., Pa. Sponsored by: W3JYA, W3AK	Ep - Carol
K3HCG	Alvin Haimes 1100 Gainsboro Rd. Bala-Cynwyd, Pa. H-MO4-3290 B-GR3-6396 Self-employed-Dentistry Sponsored by: W3WPD, K3HIJ	Al - June
K3NYN	Russell E. Miller 632 Argyle Ave. Wynnewood, Pa. H- B-MA6-4400 Self-employed-Realtor Sponsored by: W3WNC, W3JYA	Ross-Winnie
K3SZJ	Harry C. Baynard 231 Glentay Road Lansdowne, Pa. H-MA-6527 B-LO3-9089 Employed by: J.E. Limeburner Co., Phila. Pa. Sponsored by: W3QQH, W3VVS	Harry-Beth
K3UWO	Robert E. Mynster 1501 Balboa Bend Center Square Green, Norristown, Pa. H-BR7-1667 B-LO3-8086 Employed by: Dravo Corp., Suburban Station Bldg. Phila., Penna. Sponsored by: K3GNM, K3DJE	Bob-Mary

The above information is listed in the same arrangement that will be found in PMRC Directory to permit ease of insertion if the applicant is accepted by the membership.

CHANGES IN DIRECTORY LISTING:

W3VCE	Thomas Donnelly 854 Wynnewood Rd. - Phila. 51, Pa. (New address)
W3VXN	William J. Bornmann 1036 Gorson Drive, Warminster, Pa. (New address)
W3AWH	John Tinaglia 200 Glen Road, Ardmore, Penna. (New address)

CHANNEL CHATTER

Nelson, W3DYP (the voice of W3TKQ) going into Will's Eye Hospital for an operation. He will be off for a month during which time W3ZN will pinch-hit for him. Bill, W3KV, mobilizing to work and sounding great---Bob, W3CEE, rattling the dishes in North Hills with an S-9 plus signal.---Final Dinner-Dance plans being made over coffee and buns at the home of W3QQH.---W3EQV recuperating rapidly from the appendectomy.---W3CTT was observed at the auction with his usual collection of \$1.00 items.---W3GOW commuting to the Liberty Bell Race Track in Northeast Philadelphia.---W3VVS temporarily working at Philco's Fort Washington Plant and home almost before he leaves work.--W3AJO headed for Canada on vacation.---W3AWH all moved into the new QTH in Ardmore.--All kinds of secret landline calls being made by members of the nominating committee.---W3ZPP back on the air after a short layoff for equipment repairs.---WA2RDC onto two weeks military duty in Florida with the Navy---K3GNJ checking out the newly constructed mobile rig from a battery on the bench---W3JYA trying to remember all the people who helped make the auction a success and doing pretty well---W3YFV heard on the frequency several times lately-welcome back Charlie---Will somebody please sell W3UVL a PhilMont crystal?---W3DJV playing automobile checkers with a new car and passing his old one to his son and trading in the oldest. Let's get the new car mobile real quickly Fred.---W3DJE, who is incidentally Radio Officer of Plymouth Township, is sporting a real fancy ARRL Booster pin-wow!---W3HFY is operating on two and six meters mobile with a Viking 6N2. He'll be using his Viking mobile modulator so he'll be running 30 watts on both hands.---W3NIP talking about snow and going skiing in March. He is also accumulating working capital for a two-week stay at a ski resort. Brrr!---W3KV, W3EQV, W3WNC and W3NIP discussing hospital bills---W3UQV reports that his Upper Darby parking lot's mechanical gate closed the lot with space for 200 cars still open---W3DJV almost selling his 6 volt mobile gear to W3VVS, but Paul decided to rework the present rig instead.---ARE YOU A PHILMONTER? With all the "ten signals" now being heard on the channel, it sounds like the Charley Browners---

* * * * *

SWAP AND SHOP:

Harvey-Wells R9A receiver w/speaker \$50.00

Jack Tearman

Phone: OL 9-0632

OL 9-5237

Will trade Globe Scout 680 w/Heathkit VFO for 10 meter mobile equipment.

W3JMM - Phone: OL 9-3876

For Sale:

PMR-8 Mobile Receiver, 6 to 80 meters.

\$125.00

W3YHV

For sale:

Complete Mobile Station. AF67-Super Six, Superceiver,
Palco 550 volt vibrator power supply, coax antenna relay
and control relay.

\$125.00

W3HQJ

PHILMONT TEK-NI-GRAM

NOVEMBER '62

CONTRIBUTED BY K3GNM

TESTING SILICON POWER DIODES

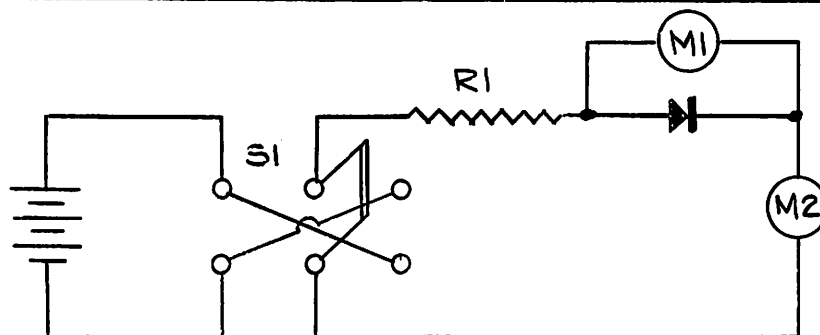


FIG. 1

The installation of silicon diodes can be complicated by variation in component parameters and insufficient information as to the condition of a particular diode. There is little useful information that can be obtained by an ohmmeter so that it is necessary to provide an effective method of testing. For this reason, the circuit in Fig. 1 is provided. The battery voltage should exceed the diode inverse peak voltage. Resistor R1 should be selected to provide a resistance that will prevent an excess current through the diode under test. If a variable resistor is used, adjustments can be made for a wide variety of diodes. The meter M1 is a direct current voltmeter and M2 is a direct current meter. Zero-center meters would be an advantage but they are not necessary. The switch is double pole, double throw and its function is merely to reverse polarity.

It is important to know if the inverse peak voltage falls below the zener breakdown point. The direct current voltage drop across the diode at maximum current and the reverse current leakage. If the readings obtained vary beyond reasonable limits from the parameters indicated in your handbook, it can be concluded that the diode is defective.

Where the diodes are known to be good, and they are to be used in series, it is a good policy to select units that have reverse currents that are similar. This is particularly important where the inverse peak voltage approaches the sum of the allowable inverse peak voltages of the diodes in series.

It is important to inspect the source of power and the load with which a particular diode is associated.

If either is reactive, it is possible that the transient peak voltage will exceed the normal alternating current peak voltage. If the diodes used are operating near their inverse peak voltage, the transient peak may exceed the limitations of the rectifier. To protect the diode from this type of damage, a small capacitor can be shunted across it. If the duration of the transient is known, the value can be calculated but a practical value is about 250 micro-micro farads.